



12 Ton A-Frame Shop Press

MODEL H6229

INSTRUCTION SHEET

Introduction

The Model H6229 12 Ton A-Frame Shop Press (**Figure 1**) features 12 tons of pressure to handle forming, bending, and bearing installation.

The Model H6229 was carefully packed when it left our warehouse. If you discover this shop press is damaged after you have signed for delivery, *please immediately call Customer Service at (570) 546-9663 for advice. Save the containers and all packing materials for possible inspection by the carrier or its agent. Otherwise, filing a freight claim can be difficult.*

When completely satisfied with the condition of your shipment, inventory the contents.

Figure 2 - Inventory.

A.	Header.....	1
B.	Springs	2
C.	Header Supports	4
D.	Uprights	2
E.	Jack Plate.....	1
F.	Angle Braces	4
G.	Base Supports.....	2
H.	Support Rods	2
I.	Spreader.....	1
J.	Crossbeams	2
K.	Table Plates	2
L.	Table	1
M.	Hydraulic Jack.....	1
N.	Jack Handle.....	1
O.	Bolt Bag.....	1
	—Hex Bolts M14-2 X 45	2
	—Flat Washers 14mm	6
	—Hex Nuts M14-2.....	6
	—Hex Bolts M14-2 X 110	2
	—Hex Bolts M14-2 X 95	2
	—Hex Bolts M8-1.25 X 25	12
	—Lock Washers 8mm.....	12
	—Hex Nuts M8-1.25	12
	—Spacers 8mm.....	4



Figure 1. Model H6229.

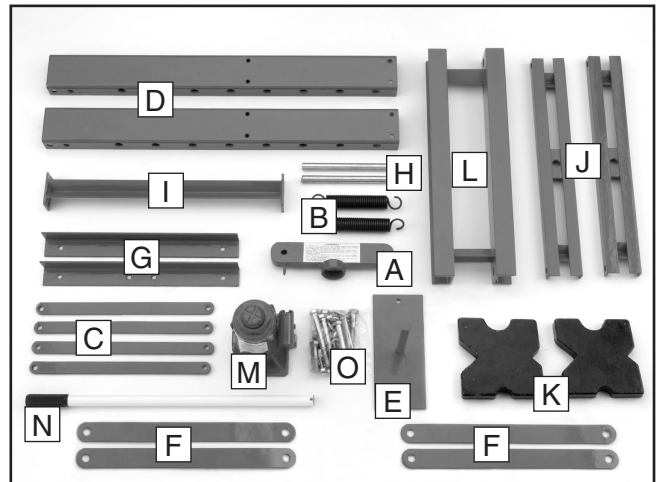


Figure 2. Inventory.

! WARNING
Always use ANSI approved safety glasses when operating machinery.

! WARNING
This Shop Press is not a toy. DO NOT allow children to use this press. Serious injury may occur if this press is used incorrectly.



ASSEMBLY

1. Place the spreader between the uprights and thread M8-1.25 x 25 hex bolts through the holes in the spreader, the uprights, and the base supports. Secure with 8mm lock washers and hex nuts (**Figure 3**).

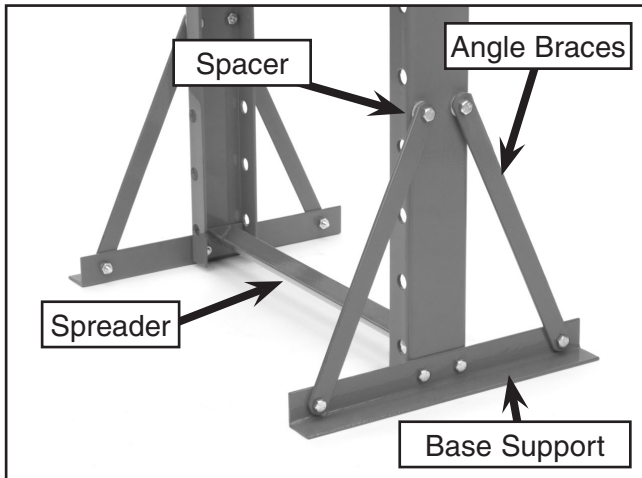


Figure 3. Installing the base supports.

2. Attach the angle braces to the base supports with M8-1.25 x 25 hex bolts, 8mm lock washers, and hex nuts. Place a spacer between the top of the angle braces and the uprights, and secure with the remaining 8mm hex bolts, washers, and hex nuts (**Figure 3**).
3. Slide the table over the frame and insert the support rods (**Figure 4**).

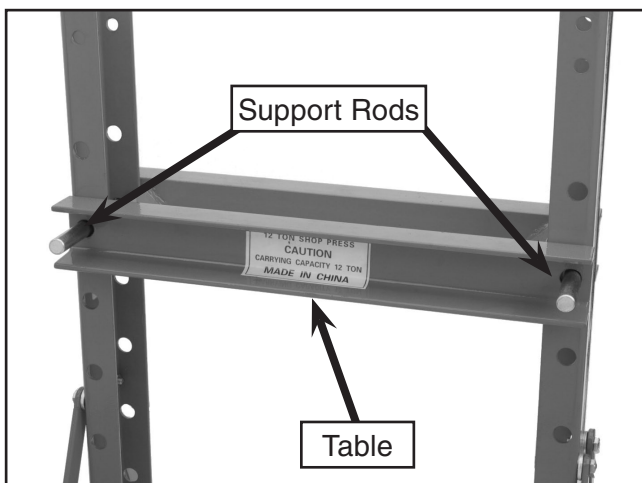


Figure 4. Table placement.

4. Align a crossbeam with the second set of holes from the top of the uprights and secure it with M14-2 x 95 hex bolts, washers, and hex nuts.
5. Align the second crossbeam with the top holes in the uprights. Slide a header support onto a M14-2 x 110 hex bolt and thread the hex bolt through the header and crossbeam (**Figure 5**).



Figure 5. Attaching the crossbeam.

6. Place another header support over the hex bolt and secure with a 14mm washer and M14-2 hex nut.
7. Repeat **steps 6–7** for the other end of the crossbeam.
8. Slide the rod of the jack plate down through the holes in the crossbeams (**Figure 6**).



Figure 6. Jack plate installation.

- Slide the header between the header supports, and thread the M14-2 x 45 hex bolts through the supports and the header. Secure the hex bolts with 14mm flat washers and M14-2 hex nuts (**Figure 7**).



Figure 7. Header installation.

- Hang the springs from the hooks in the header, lift up the jack plate, and hook the springs through the holes in the jack plate.
- Press the jack plate down, and slide the hydraulic jack between the jack plate and the header (**Figure 8**).



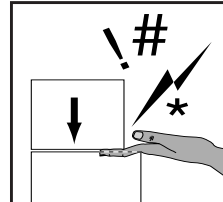
Figure 8. Jack installation.



OPERATIONS

!WARNING

DO NOT compress springs or other objects that could be ejected from the press. **DO NOT** compress objects that could shatter.



!WARNING

Keep hands away from the pressure head and out of support rod holes.

- Lift the table until there is just enough room for the table plates and workpiece between the table and the jack plate rod. Place the support rods through the uprights and lower the table onto the support rods.
- Place the table plates on the table and put the workpiece on the table plates.

!WARNING

Always center the workpiece on the table plates and center the pressure head on the workpiece to prevent injury by ejection of the workpiece.

- Turn the pressure release valve clockwise to close.
- Pump the handle of the hydraulic pump to push the pressure head against the workpiece.
- Turn the pressure release valve counter-clockwise to allow the pressure head to move up. Remove the workpiece.



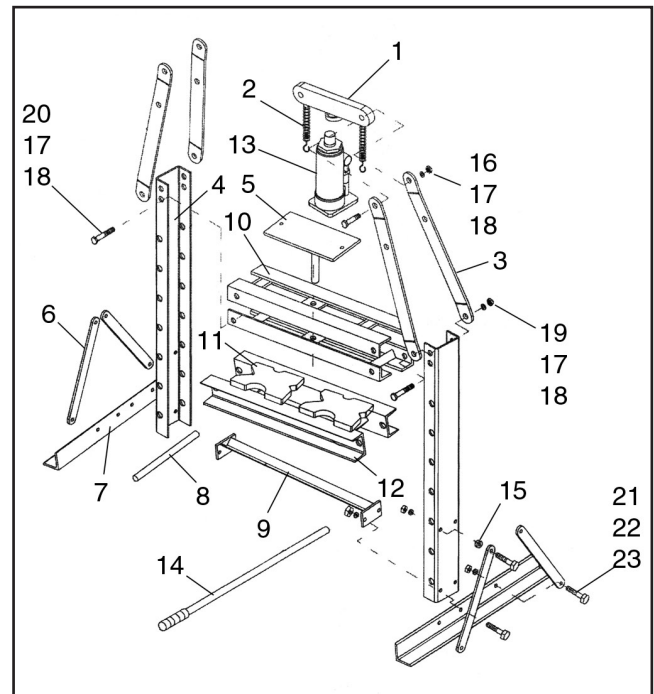
MAINTENANCE

1. Wipe all dirt and dust off the press
2. Apply light oil to the surface of the ram.
3. Check hoses, pressure head, and support rods for cracks or damage. Replace if necessary.
4. Remove the plug on the back of the hydraulic jack to check the oil level. Add oil if necessary, replace the plug, then pump the handle several times with the pressure release valve open to bleed the air out of the system.

If you need additional help with this procedure, call our service department at: (570) 546-9663.



PARTS



REF	PART #	DESCRIPTION
1	PH6229001	HEADER
2	PH6229002	SPRING
3	PH6229003	HEADER SUPPORT
4	PH6229004	UPRIGHTS
5	PH6229005	JACK PLATE
6	PH6229006	ANGLE BRACES
7	PH6229007	BASE SUPPORT
8	PH6229008	SUPPORT ROD
9	PH6229009	SPREADER
10	PH6229010	CROSSBEAM
11	PH6229011	TABLE PLATES
12	PH6229012	TABLE
13	PH6229013	HYDRAULIC JACK
14	PH6229014	JACK HANDLE
15	PH6229015	SPACER 8MM
16	PB129M	HEX BOLT M14-2 X 45
17	PW10M	FLAT WASHER 14MM
18	PN32M	HEX NUT M14-2
19	PB99M	HEX BOLT M14-2 X 110
20	PB130M	HEX BOLT M14-2 X 95
21	PB07M	HEX BOLT M8-1.25 X 25
22	PLW05M	LOCK WASHER 8MM
23	PN03M	HEX NUT M8-1.25

